



# Kentucky HIV/AIDS Semi-Annual Report

Volume 3 Number 1

Mid-Year  
June 30, 2003

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This report may be accessed through the Kentucky Department for Public Health web site. The web address for the HIV/AIDS program is <http://chs.ky.gov/publichealth/hiv-aids.htm>.

The HIV/AIDS web site not only contains copies of HIV/AIDS statistical reports for the past three years but also lists information on HIV prevention, HIV/AIDS surveillance, and services for those persons living with HIV/AIDS. In addition, a list of approved HIV/AIDS continuing education courses for health professionals may be accessed through the web site.

## Cumulative Kentucky AIDS Cases as of June 30, 2003

<u>Type of Case</u>	<u>Number of Cases</u>
AIDS Cases both living and deceased	3,948
Cases living with AIDS	2,113

The HIV/AIDS Semi-Annual Report  
is produced by:

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### Kentucky HIV/AIDS Semi-Annual Report Data Sources and Limitations

The HIV/AIDS Semi-Annual Report presents data regarding AIDS cases diagnosed and reported to the Kentucky Department for Public Health, HIV/AIDS Program through June 30, 2003.

According to state regulation 902 KAR 2:020, Section 7, health professionals licensed under KRS chapters 311 through 314, health facilities licensed under KRS chapter 216B and laboratories licensed under KRS chapter 333 are required to report HIV and AIDS cases to the Kentucky Department for Public Health within five business days of diagnosis. AIDS cases are reported by name, while HIV cases are reported by 'Unique Identifier' consisting of the person's initials of last and first name; date of birth; and last four digits of Social Security number. HIV tests can be either anonymous or confidential; however, only those confidential HIV positive cases are reported to the Kentucky Department for Public Health.

HIV and AIDS cases who reside in the Kentucky counties of Bullitt, Henry, Jefferson, Oldham, Shelby, Spencer and Trimble are reported to an HIV/AIDS surveillance nurse consultant at the Jefferson County Health Department. All other HIV and AIDS cases are reported to an HIV/AIDS surveillance representative at the Kentucky Department for Public Health. Case information from both sites is combined at the Kentucky Department for Public Health to produce this report.

On December 15, 2000 updated HIV/AIDS reporting requirements including reporting for HIV using a unique code were adopted in Kentucky. Data from the HIV 'Unique Identifier' reporting system, which was implemented as a result of these requirements, will not be released until a complete evaluation of the system is performed and the effectiveness of the unique code is determined.

A limitation of the AIDS data set is the increasing number of cases reported with undetermined mode of exposure information. Cases with undetermined mode of exposure, based on year of diagnosis, have increased from 14% in 1998 to 45% in 2002. This increase makes year to year comparison by mode of exposure difficult. Enhanced surveillance activities have been implemented to attempt to resolve cases reports with missing risk factor information.



## AIDS Cases by Report Date and Diagnosis Date

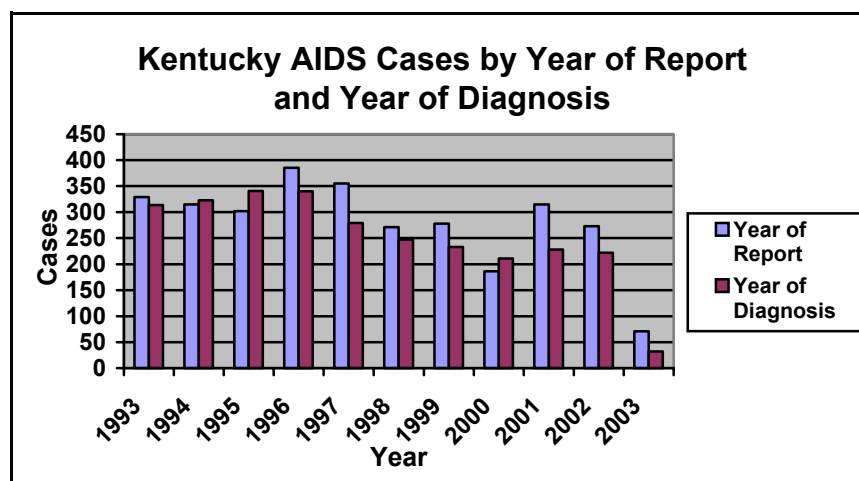
**Date of Report:** When an HIV or AIDS case is reported to the Kentucky HIV/AIDS Program

**Date of Diagnosis:** When an HIV or AIDS case is actually diagnosed

**Key Difference:** A case may be diagnosed in one year and not reported for many years later. For this reason, date of diagnosis is used to examine epidemiologic trends.

Year	AIDS Cases by Year of Diagnosis	AIDS Cases by Year of Report
1993	314	329
1994	323	315
1995	341	302
1996	340	385
1997	279	355
1998	247	271
1999	233	278
2000	211	186
2001	228	315*
2002	222	273
2003	32	71

\*The increase in reported cases for the year 2001 may be due to a change in reporting regulations, which were adopted as of December 15, 2000, requiring laboratories to report positive HIV test results to the Department for Public Health.



Adult/Adolescent <sup>(1)</sup> AIDS Cases by Year of Diagnosis																
Characteristics	1982-97	%	1998	%	1999	%	2000	%	2001	%	2002 <sup>(2)</sup>	%	2003 <sup>(2)</sup>	%	Total	% <sup>(3)</sup>
<u>GENDER</u>																
Male	2440	89%	206	84%	178	77%	174	83%	197	86%	175	80%	26	81%	3396	87%
Female	312	11%	40	16%	53	23%	36	17%	31	14%	45	20%	6	19%	523	13%
TOTAL	2752	100%	246	100%	231	100%	210	100%	228	100%	220	100%	32	100%	3919	100%
<u>AGE AT DIAGNOSIS</u>																
13-19	23	1%	1	0%	1	0%	0	0%	3	1%	0	0%	0	0%	28	1%
20-29	551	20%	32	13%	36	16%	27	13%	34	15%	32	15%	3	9%	715	18%
30-39	1329	48%	115	47%	105	45%	98	47%	79	35%	82	37%	13	41%	1821	46%
40-49	631	23%	72	29%	66	29%	56	27%	81	36%	70	32%	12	38%	988	25%
>49	218	8%	26	11%	23	10%	29	14%	31	14%	36	16%	4	13%	367	9%
TOTAL	2752	100%	246	100%	231	100%	210	100%	228	100%	220	100%	32	100%	3919	100%
<u>RACE</u>																
White	1975	72%	152	62%	138	60%	115	55%	134	59%	139	63%	20	63%	2673	68%
African-American	730	27%	84	34%	88	38%	83	40%	85	37%	69	31%	8	25%	1147	29%
Other	47	2%	10	4%	5	2%	12	6%	9	4%	12	5%	4	13%	99	3%
TOTAL	2752	100%	246	100%	231	100%	210	100%	228	100%	220	100%	32	100%	3919	100%
<u>RISK</u>																
MSM <sup>(4)</sup>	1673	61%	120	49%	116	50%	94	45%	102	45%	77	35%	11	34%	2193	56%
IDU <sup>(5)</sup>	356	13%	35	14%	32	14%	24	11%	22	10%	20	9%	6	19%	495	13%
MSM and IDU	182	7%	17	7%	5	2%	6	3%	9	4%	7	3%	1	3%	227	6%
Hemophilia/Coagulation Disorder	77	3%	2	1%	0	0%	3	1%	1	0%	0	0%	0	0%	83	2%
Heterosexual <sup>(6)</sup>	298	11%	38	15%	34	15%	25	12%	20	9%	16	7%	2	6%	433	11%
Transfusion	40	1%	0	0%	2	1%	0	0%	0	0%	0	0%	0	0%	42	1%
Undetermined <sup>(7)</sup>	126	5%	34	14%	42	18%	58	28%	74	32%	100	45%	12	38%	446	11%
TOTAL	2752	100%	246	100%	231	100%	210	100%	228	100%	220	100%	32	100%	3919	100%

(1) Cases are classified as Adult/Adolescent if they are 13 years of age or older at time of diagnosis.

(2) Data for the years 2002 and 2003 are provisional due to reporting delays.

(3) Percentages may not total to 100 due to rounding.

(4) MSM = Men Having Sex with Men

(5) IDU = Injecting Drug User

(6) "Heterosexual" includes persons who have had heterosexual contact with a person with HIV or at risk for HIV.

(7) "Undetermined" refers to persons whose mode of exposure to HIV is unknown. This includes persons who are under investigation, deceased, lost to follow-up, refused interview, and persons whose mode of exposure remains undetermined after investigation.

Pediatric <sup>(1)</sup> AIDS Cases by Year of Diagnosis																
Risk Factor	1982-97	%	1998	%	1999	%	2000	%	2001	%	2002 <sup>(2)</sup>	%	2003 <sup>(2)</sup>	%	Total	% <sup>(3)</sup>
Hemophilia/Coagulation Disorder	4	17%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4	14%
Perinatal	18	78%	1	100%	2	100%	1	100%	0	0%	2	100%	0	0%	24	83%
Transfusion	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	3%
Total	23	100%	1	100%	2	100%	1	100%	0	0%	2	100%	0	0%	29	100%

(1) Cases are classified as Pediatric if they are less than 13 years of age at time of diagnosis.

(2) Data for the years 2002 and 2003 are provisional due to reporting delays.

(3) Percentages may not total to 100 due to rounding.

CUMULATIVE ADULT/ADOLESCENT <sup>(1)</sup> AIDS CASES BY RISK, RACE, AND GENDER 6/30/03									
Risk	White		African American		Other		TOTAL		
	No.	%	No.	%	No.	%	No.	% <sup>(2)</sup>	
MALE	MSM <sup>(3)</sup>	1762	73%	405	45%	26	34%	2193	65%
	IDU <sup>(4)</sup>	145	6%	196	22%	17	22%	358	11%
	MSM and IDU	149	6%	74	8%	4	5%	227	7%
	Hemophilia/Coagulation Disorder	74	3%	8	1%	0	0%	82	2%
	Heterosexual <sup>(5)</sup>	102	4%	77	8%	8	10%	187	6%
	Transfusion/Transplant	23	1%	4	0%	0	0%	27	1%
	Undetermined <sup>(6)</sup>	158	7%	142	16%	22	29%	322	9%
	TOTAL	2413	100%	906	100%	77	100%	3396	100%
FEMALE	IDU <sup>(4)</sup>	62	24%	69	29%	6	27%	137	26%
	Hemophilia/Coagulation Disorder	1	0%	0	0%	0	0%	1	0%
	Heterosexual <sup>(5)</sup>	135	52%	102	42%	9	41%	246	47%
	Transfusion/Transplant	11	4%	4	2%	0	0%	15	3%
	Undetermined <sup>(6)</sup>	51	20%	66	27%	7	32%	124	24%
	TOTAL	260	100%	241	100%	22	100%	523	100%

(1) Cases are classified as Adult/Adolescent if they are 13 years of age or older at time of diagnosis.

(2) Percentages may not total to 100 due to rounding.

(3) MSM = Men Having Sex with Men

(4) IDU = Injecting Drug User

(5) "Heterosexual" includes persons who have had heterosexual contact with a person with HIV or at risk for HIV.

(6) "Undetermined" refers to persons whose mode of exposure to HIV is unknown. This includes persons who are under investigation, dead, lost to follow-up, refused interview, and persons whose mode of exposure remain undetermined after investigation.

CUMULATIVE PEDIATRIC <sup>(1)</sup> AIDS CASES BY RISK AND RACE 6/30/03								
Risk	White		African American		Other		TOTAL	
	No.	%	No.	%	No.	%	No.	% <sup>(2)</sup>
Hemophilia/Coagulation Disorder	3	20%	1	7%	0	0%	4	14%
Perinatal	11	73%	13	93%	0	0%	24	83%
Transfusion	1	7%	0	0%	0	0%	1	3%
TOTAL	15	100%	14	100%	0	0%	29	100%

(1) Cases are classified as Pediatric if they are less than 13 years of age at time of diagnosis.

(2) Percentages may not total to 100 due to rounding

Kentucky AIDS Deaths <sup>(1)</sup> 2000 - All Ages									
	White			African American			Total		
	Deaths	Rate <sup>(2)</sup>	Rank <sup>(3)</sup>	Deaths	Rate <sup>(2)</sup>	Rank <sup>(3)</sup>	Deaths	Rate <sup>(2)</sup>	Rank <sup>(3)</sup>
Male	35	2.0	23rd	16	11.1	13th	51	2.6	22nd
Female	7	0.4	30th	5	3.3	16th	12	0.6	29th
Total	42	1.2	29th	21	7.1	15th	63	1.6	24th

Kentucky AIDS Deaths <sup>(1)</sup> 2000 - Age Group 25-44									
	White			African American			Total		
	Deaths	Rate <sup>(2)</sup>	Rank <sup>(3)</sup>	Deaths	Rate <sup>(2)</sup>	Rank <sup>(3)</sup>	Deaths	Rate <sup>(2)</sup>	Rank <sup>(3)</sup>
Male	26	4.8	7th	13	29.0	5th	39	6.5	6th
Female	2	0.4	15th	3	6.5	6th	5	0.8	14th
Total	28	2.6	9th	16	17.6	5th	44	3.6	9th

(1) Vital Statistics data provided by the Surveillance & Health Data Branch of the Division of Epidemiology & Health Planning

(2) Rate per 100,000 population

(3) Refers to the leading causes of death in the state of Kentucky

CUMULATIVE <sup>(1)</sup> AIDS CASES BY AGE AT DIAGNOSIS, RACE, AND GENDER 6/30/03									
	Age Group	White		African American		Other		TOTAL	
		No.	%	No.	%	No.	%	No.	% <sup>(2)</sup>
MALE	<13	8	0%	8	1%	0	0%	16	0%
	13-19	17	1%	4	0%	1	1%	22	1%
	20-29	420	17%	146	16%	21	27%	587	17%
	30-39	1143	47%	413	45%	39	51%	1595	47%
	40-49	603	25%	266	29%	12	16%	881	26%
	>49	230	10%	77	8%	4	5%	311	9%
	TOTAL	2421	100%	914	100%	77	100%	3412	100%
FEMALE	<13	7	3%	6	2%	0	0%	13	2%
	13-19	4	1%	2	1%	0	0%	6	1%
	20-29	64	24%	57	23%	7	32%	128	24%
	30-39	107	40%	110	45%	9	41%	226	42%
	40-49	51	19%	53	21%	3	14%	107	20%
	>49	34	13%	19	8%	3	14%	56	10%
	TOTAL	267	100%	247	100%	22	100%	536	100%

(1) Includes both Adult/Adolescent and Pediatric AIDS cases.

(2) Percentages may not total to 100 due to rounding.

KENTUCKY AIDS CASES <sup>(1)</sup> , LIVING AND DECEASED, AS OF 6/30/03				
Diagnosis Year	Total Cases	Living	Deceased	Case Fatality Rate <sup>(2)</sup>
1982	3	0	3	100%
1983	6	0	6	100%
1984	15	0	15	100%
1985	32	0	32	100%
1986	41	1	40	98%
1987	72	5	67	93%
1988	127	5	122	96%
1989	169	20	149	88%
1990	192	25	167	87%
1991	225	38	187	83%
1992	296	71	225	76%
1993	314	101	213	68%
1994	323	150	173	54%
1995	341	212	129	38%
1996	340	254	86	25%
1997	279	217	62	22%
1998	247	190	57	23%
1999	233	195	38	16%
2000	211	178	33	16%
2001	228	211	17	7%
2002	222	209	13	6%
2003	32	31	1	3%
TOTAL	3948	2113	1835	46%

(1) Includes both Adult/Adolescent and Pediatric AIDS cases.

(2) The case fatality rate is the percentage of AIDS cases diagnosed in a year which are deceased.

## CUMULATIVE AIDS STATISTICS FOR KENTUCKY AND THE UNITED STATES

KENTUCKY AIDS CASES REPORTED AS OF 6/30/03		
Characteristics	Total Cases	% <sup>(1)</sup> of AIDS cases
<b>GENDER</b>		
Male	3,412	86%
Female	536	14%
Unknown	0	0%
<b>TOTAL</b>	<b>3,948</b>	<b>100%</b>
<b>AGE AT DIAGNOSIS</b>		
<13	29	1%
13-19	28	1%
20-29	715	18%
30-39	1,821	46%
40-49	988	25%
>49	367	9%
Unknown	0	0%
<b>TOTAL</b>	<b>3,948</b>	<b>100%</b>
<b>RACE</b>		
White	2,688	68%
African-American	1,161	29%
Other	99	3%
Undetermined	0	0%
<b>TOTAL</b>	<b>3,948</b>	<b>100%</b>
<b>RISK</b>		
MSM <sup>(2)</sup>	2,193	56%
IDU <sup>(3)</sup>	495	13%
MSM/IDU	227	6%
Hemophiliac	87	2%
Heterosexual	433	11%
Transfusion	43	1%
Perinatal	24	1%
Undetermined	446	11%
<b>TOTAL</b>	<b>3,948</b>	<b>100%</b>

(1) Percentages may not always total 100% due to rounding

(2) MSM=Men Having Sex with Men

(3) IDU=Injecting Drug User

UNITED STATES AIDS CASES <sup>(4)</sup> REPORTED AS OF 12/31/01		
Characteristics	Total Cases	% <sup>(1)</sup> of AIDS cases
<b>GENDER</b>		
Male	670,687	82%
Female	145,461	18%
Unknown	1	0%
<b>TOTAL</b>	<b>816,149</b>	<b>100%</b>
<b>AGE AT DIAGNOSIS</b>		
<13	9,074	1%
13-19	4,428	1%
20-29	133,725	16%
30-39	362,021	44%
40-49	216,387	27%
>49	90,513	11%
Unknown	1	0%
<b>TOTAL</b>	<b>816,149</b>	<b>100%</b>
<b>RACE</b>		
White	343,889	42%
African-American	313,180	38%
Other	158,446	19%
Undetermined	634	0%
<b>TOTAL</b>	<b>816,149</b>	<b>100%</b>
<b>RISK</b>		
MSM <sup>(2)</sup>	368,971	45%
IDU <sup>(3)</sup>	201,326	25%
MSM/IDU	51,293	6%
Hemophiliac	5,528	1%
Heterosexual	90,131	11%
Transfusion	9,352	1%
Perinatal	8,284	1%
Undetermined	81,264	10%
<b>TOTAL</b>	<b>816,149</b>	<b>100%</b>

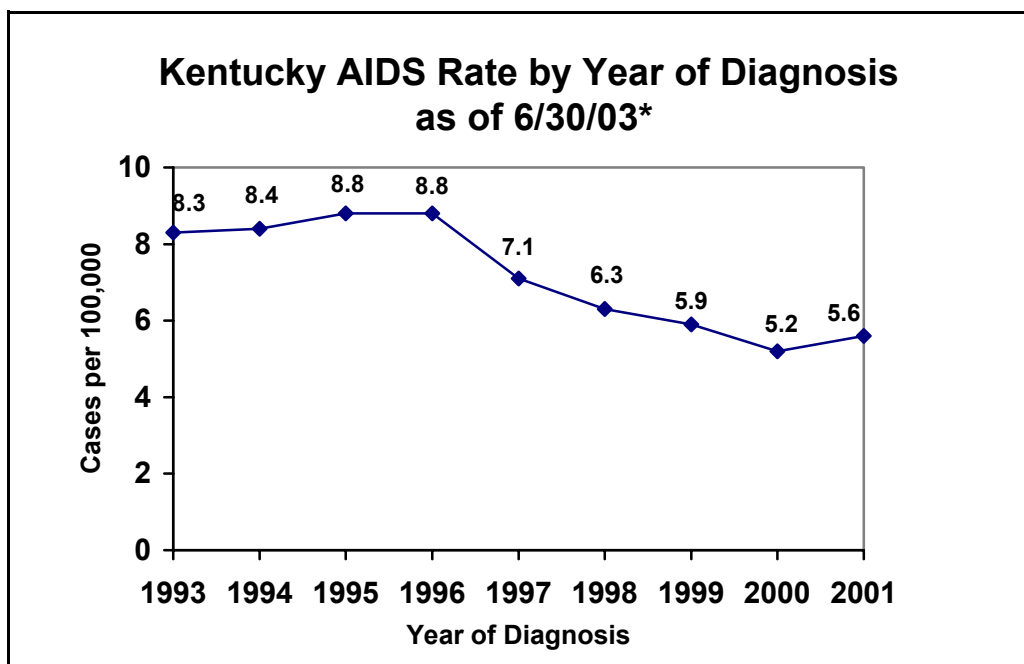
(4) U.S. Cases from Centers for Disease Control and Prevention. *HIV/AIDS Surveillance Report*, 2001;13(No.2)

Kentucky closely parallels the US percentage of AIDS cases by gender and age at diagnosis. Compared to US data, the percentage of white cases reported is greater in Kentucky. One possible explanation for this is the greater percentage of White persons in Kentucky's general population compared to the US population. In addition, a greater percentage of Kentucky AIDS cases report their mode of exposure to be Men Having Sex with Men (MSM) compared to US AIDS cases.

### Annual AIDS Rate per 100,000 A Comparison of Kentucky to Other States Year of Report 2001

<b>Rank</b>	<b>State</b>	<b>Rate</b>
1	District of Columbia	152.1
2	New York	39.3
3	Maryland	34.6
4	Florida	31.3
5	Delaware	31.1
*	*	*
*	*	*
26	Kentucky	8.2

**US RATE = 14.3**



\*Data are current as of 6/30/03 however data for 2002 are provisional due to reporting delays and are not presented in trend analysis.

Compared to other states, Kentucky ranked 26th in the number of AIDS cases reported in the year 2001. A dramatic decline in the AIDS incidence rate in Kentucky, based on year of diagnosis, was observed from 1996 to 2000 and can be attributed mainly to the introduction of highly active anti-retroviral treatment (HAART) in the mid-1990's. In the year 2001, for the first time since 1995, a slight increase in the AIDS incidence rate was observed in Kentucky. This trend will continue to be monitored as more data become available.



**CUMULATIVE AIDS CASES<sup>1</sup>**  
**BY**  
**COUNTY OF RESIDENCE AT TIME OF DIAGNOSIS**

County	Total AIDS Cases <sup>(2)</sup>	Living With AIDS	County	Total AIDS Cases	Living With AIDS	County	Total AIDS Cases	Living With AIDS
Adair	≤5	≤5	Grant	11	≤5	McLean	≤5	≤5
Allen	8	≤5	Graves	21	9	Meade	12	9
Anderson	7	≤5	Grayson	8	≤5	Menifee	≤5	≤5
Ballard	6	≤5	Green	≤5	≤5	Mercer	15	7
Barren	19	≤5	Greenup	10	≤5	Metcalfe	≤5	≤5
Bath	≤5	≤5	Hancock	≤5	≤5	Monroe	11	7
Bell	10	7	Hardin	63	36	Montgomery	12	12
Boone	42	22	Harlan	10	6	Morgan	15	7
Bourbon	12	7	Harrison	8	≤5	Muhlenberg	21	9
Boyd	49	33	Hart	≤5	≤5	Nelson	13	≤5
Boyle	12	9	Henderson	35	22	Nicholas	≤5	≤5
Bracken	≤5	≤5	Henry	9	≤5	Ohio	6	≤5
Breathitt	≤5	≤5	Hickman	≤5	≤5	Oldham	112	69
Breckinridge	6	≤5	Hopkins	29	9	Owen	≤5	≤5
Bullitt	14	8	Jackson	≤5	≤5	Owsley	≤5	≤5
Butler	≤5	≤5	Jefferson	1639	821	Pendleton	≤5	≤5
Caldwell	11	6	Jessamine	15	8	Perry	10	7
Calloway	16	7	Johnson	≤5	≤5	Pike	20	11
Campbell	74	38	Kenton	190	94	Powell	≤5	≤5
Carlisle	≤5	≤5	Knott	≤5	≤5	Pulaski	30	16
Carroll	≤5	≤5	Knox	8	≤5	Robertson	≤5	≤5
Carter	6	≤5	Larue	≤5	≤5	Rockcastle	≤5	≤5
Casey	≤5	≤5	Laurel	17	9	Rowan	6	≤5
Christian	59	36	Lawrence	≤5	≤5	Russell	≤5	≤5
Clark	14	9	Lee	≤5	≤5	Scott	21	15
Clay	20	17	Leslie	≤5	≤5	Shelby	22	14
Clinton	≤5	≤5	Letcher	13	6	Simpson	6	≤5
Crittenden	≤5	≤5	Lewis	9	6	Spencer	≤5	≤5
Cumberland	≤5	≤5	Lincoln	9	6	Taylor	≤5	≤5
Daviess	64	34	Livingston	9	≤5	Todd	15	10
Edmonson	≤5	≤5	Logan	16	7	Trigg	6	≤5
Elliott	≤5	≤5	Lyon	13	≤5	Trimble	6	≤5
Estill	≤5	≤5	Madison	34	18	Union	13	7
Fayette	559	331	Magoffin	≤5	≤5	Warren	60	22
Fleming	≤5	≤5	Marion	6	≤5	Washington	≤5	≤5
Floyd	10	8	Marshall	9	7	Wayne	≤5	≤5
Franklin	41	22	Martin	≤5	≤5	Webster	6	≤5
Fulton	≤5	≤5	Mason	12	7	Whitley	15	8
Gallatin	≤5	≤5	McCracken	92	52	Wolfe	≤5	≤5
Garrard	≤5	≤5	McCreary	≤5	≤5	Woodford	17	13

(1) For confidentiality purposes, cases less than or equal to 5 are not listed.

(2) Total cases both living and deceased

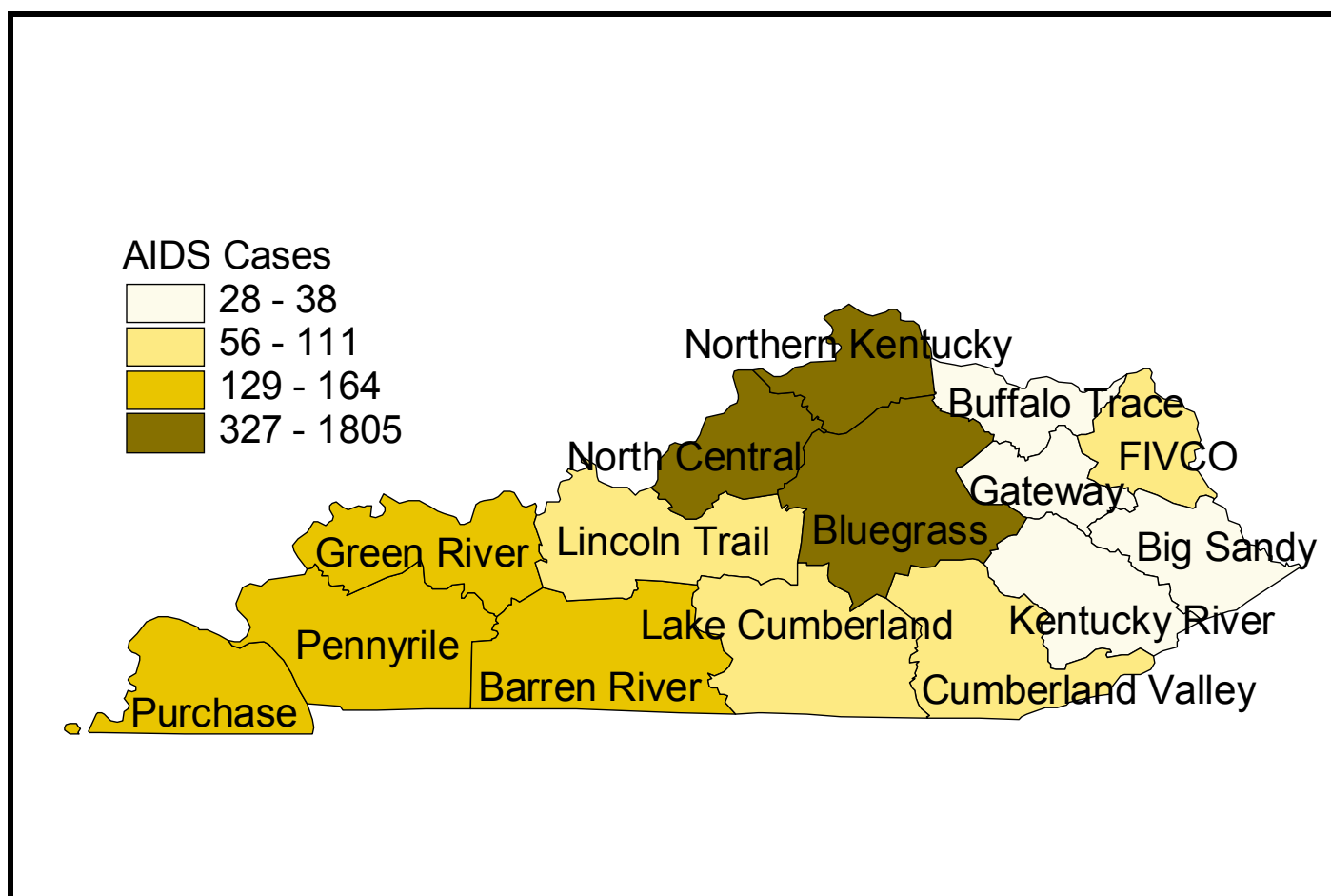
<b>AIDS CASES AND RATES BY YEAR OF DIAGNOSIS AND AREA DEVELOPMENT DISTRICT OF RESIDENCE AT TIME OF DIAGNOSIS</b>										
DISTRICT	CASES & RATES <sup>(1)</sup>	1982-97	1998	1999	2000	2001	2002	2003	TOTAL CASES <sup>(2)</sup>	%
1. Purchase	Cases	94	12	13	9	12	9	4	153	4%
	Rate per 100,000		6.3	6.8	4.7	6.2	4.7			
2. Pennyriple	Cases	123	10	5	11	6	7	2	164	4%
	Rate per 100,000		4.7	2.3	5.1	2.8	3.2			
3. Green River	Cases	87	12	7	9	6	6	2	129	3%
	Rate per 100,000		5.8	3.4	4.3	2.9	2.9			
4. Barren River	Cases	98	5	8	4	4	10	1	130	3%
	Rate per 100,000		2.0	3.3	1.6	1.6	3.9			
5. Lincoln Trail	Cases	78	7	5	8	5	8	0	111	3%
	Rate per 100,000		2.9	2.1	3.3	2.1	3.3			
6. North Central	Cases	1264	112	119	91	103	106	10	1805	46%
	Rate per 100,000		13.4	14.1	10.5	11.8	12.2			
7. Northern Kentucky	Cases	264	10	12	9	14	12	6	327	8%
	Rate per 100,000		2.7	3.2	2.3	3.6	3.1			
8. Buffalo Trace	Cases	17	5	1	1	2	2	0	28	1%
	Rate per 100,000		9.1	1.8	1.8	3.6	3.6			
9. Gateway	Cases	27	1	3	1	2	4	0	38	1%
	Rate per 100,000		1.4	4.1	1.3	2.6	5.2			
10. FIVCO	Cases	52	8	2	3	2	3	1	71	2%
	Rate per 100,000		5.9	1.5	2.2	1.5	2.2			
11. Big Sandy	Cases	31	3	3	0	1	0	0	38	1%
	Rate per 100,000		1.8	1.8	0.0	0.6	0.0			
12. Kentucky River	Cases	23	3	1	1	2	5	0	35	1%
	Rate per 100,000		2.4	0.8	0.8	1.7	4.1			
13. Cumberland Valley	Cases	53	9	5	4	9	7	0	87	2%
	Rate per 100,000		3.8	2.1	1.7	3.8	2.9			
14. Lake Cumberland	Cases	40	5	0	2	6	2	1	56	1%
	Rate per 100,000		2.6	0.0	1.0	3.1	1.0			
15. Bluegrass	Cases	524	45	49	58	54	41	5	776	20%
	Rate per 100,000		6.9	7.4	8.5	7.9	6.0			
<b>TOTAL CASES</b>		<b>2775</b>	<b>247</b>	<b>233</b>	<b>211</b>	<b>228</b>	<b>222</b>	<b>32</b>	<b>3948</b>	<b>100%</b>

(1) Rates are only listed for years of diagnosis 1998 - 2002. Data for 2002 are provisional due to reporting delay and rates for 2002 are based on 2001 population estimates. Rates for 2003 are not given due to incomplete data.

(2) Total AIDS Cases both Living and Deceased.

Counties In Each Area Development District	
1.	Ballard, Calloway, Carlisle, Fulton, Graves, Hickman, McCracken, Marshall
2.	Caldwell, Christian, Crittenden, Hopkins, Livingston, Lyon, Muhlenberg, Todd, Trigg
3.	Daviess, Hancock, Henderson, McLean, Ohio, Union, Webster
4.	Allen, Barren, Butler, Edmonson, Hart, Logan, Metcalfe, Monroe, Simpson, Warren
5.	Breckinridge, Grayson, Hardin, Larue, Marion, Meade, Nelson, Washington
6.	Bullitt, Henry, Jefferson, Oldham, Shelby, Spencer, Trimble
7.	Boone, Campbell, Carroll, Gallatin, Grant, Kenton, Owen, Pendleton
8.	Bracken, Fleming, Lewis, Mason, Robertson
9.	Bath, Menifee, Montgomery, Morgan, Rowan
10.	Boyd, Carter, Elliott, Greenup, Lawrence
11.	Floyd, Johnson, Magoffin, Martin, Pike
12.	Breathitt, Knott, Lee, Leslie, Letcher, Owsley, Perry, Wolfe
13.	Bell, Clay, Harlan, Jackson, Knox, Laurel, Rockcastle, Whitley
14.	Adair, Casey, Clinton, Cumberland, Green, McCreary, Pulaski, Russell, Taylor, Wayne
15.	Anderson, Bourbon, Boyle, Clark, Estill, Fayette, Franklin, Garrard, Harrison Jessamine, Lincoln, Madison, Mercer, Nicholas, Powell, Scott, Woodford

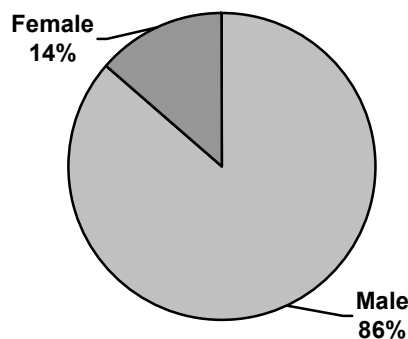
**AIDS in Kentucky**  
**Cumulative AIDS Cases by Area Development District**  
**June 30, 2003**



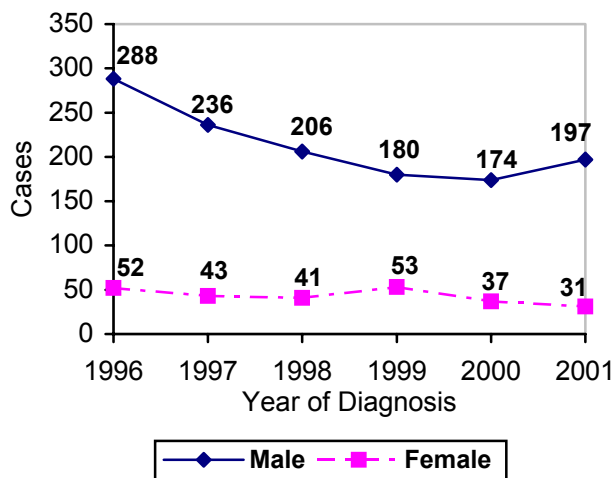
The largest percentage of AIDS cases, 46%, stated that the North Central Area Development District (ADD), which includes Louisville, was their ADD of residence at the time of diagnosis. The next highest percentage, 20%, resided in the Bluegrass ADD, which includes Lexington, followed by Northern Kentucky at 8%.

## GENDER

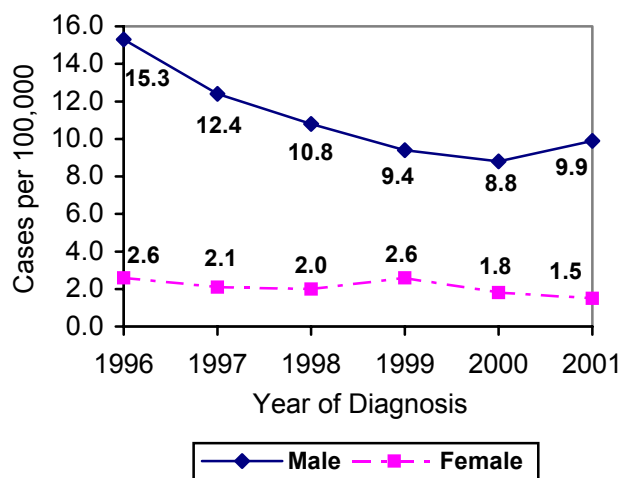
**Percentage of Cumulative Kentucky  
AIDS Cases by Gender,  
N=3,948**



**Kentucky AIDS Cases  
by Gender and Year of Diagnosis  
as of 6/30/03\***



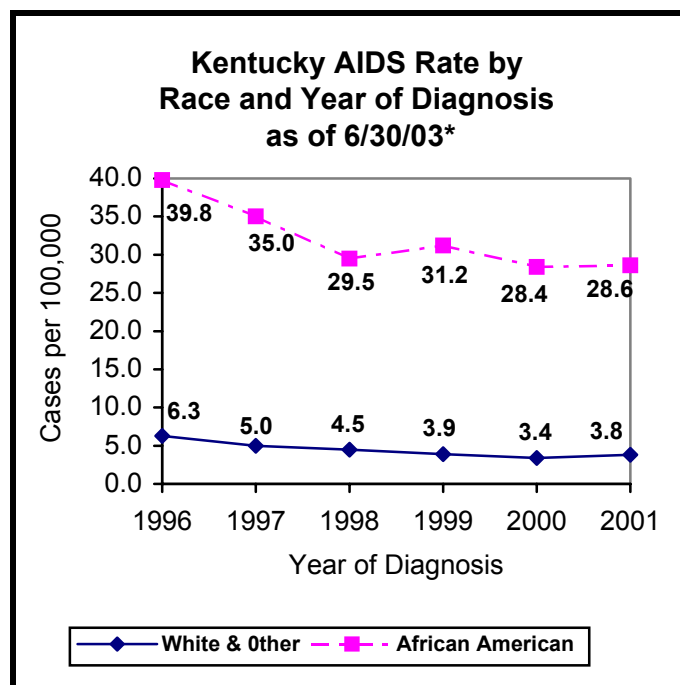
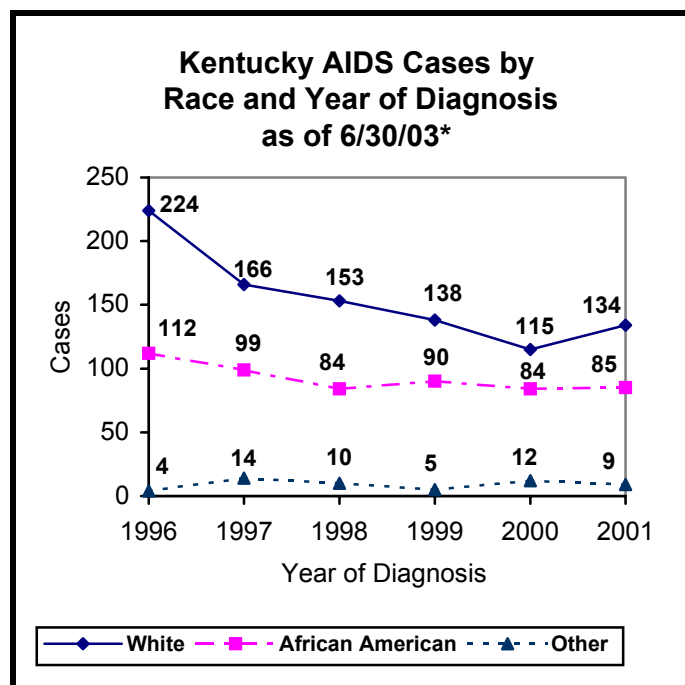
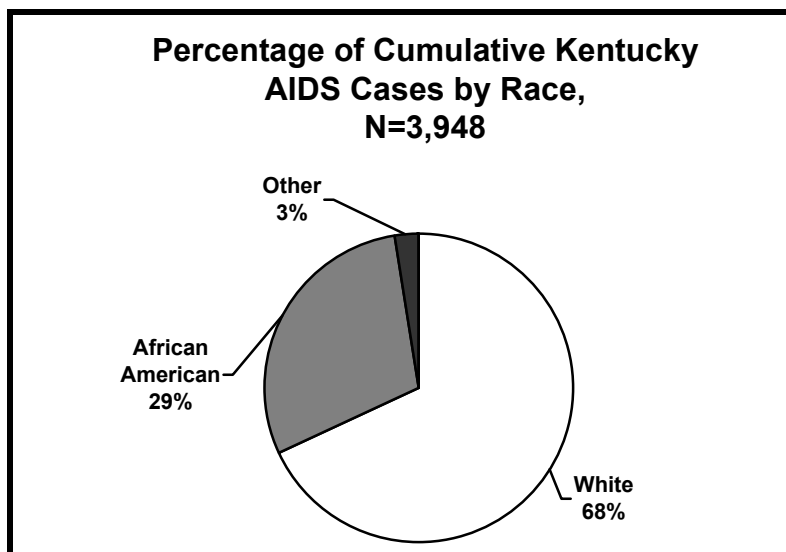
**Kentucky AIDS Rate  
by Gender and Year of Diagnosis  
as of 6/30/03\***



\*Data are current as of 6/30/03 however data for 2002 are provisional due to reporting delays and are not presented in trend analysis.

Approximately 86% of all Kentucky AIDS cases reported are male. The male AIDS rate is approximately 5 times higher than the female rate. Diagnosed AIDS cases among males increased 13% from 174 cases diagnosed in 2000 to 197 cases diagnosed in 2001. Additionally, a 13% increase was also observed in the AIDS incidence rate for males in the year 2001.

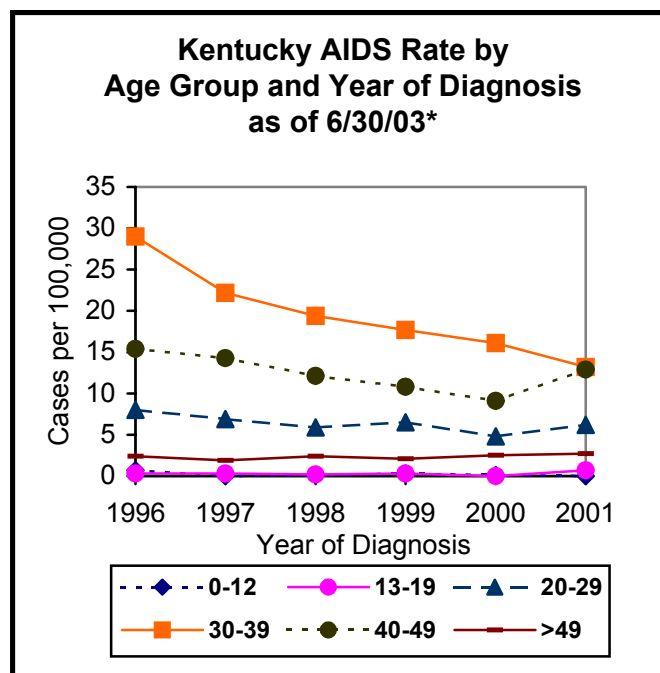
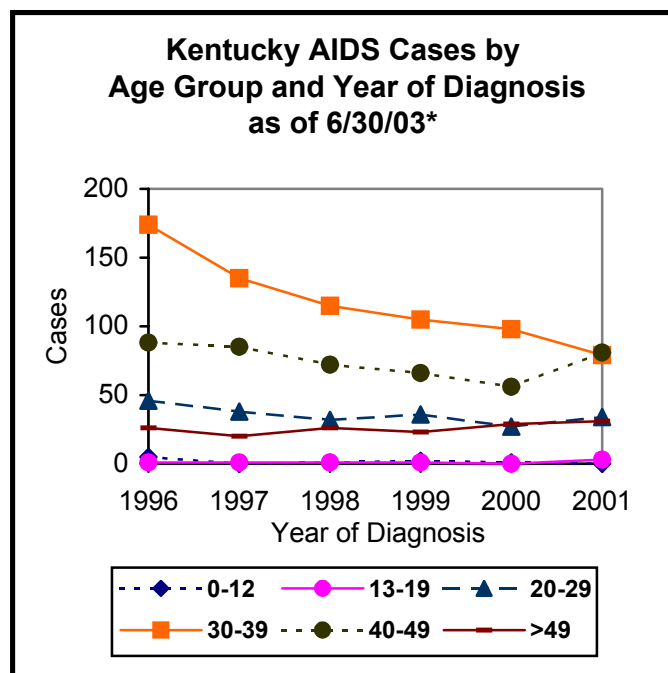
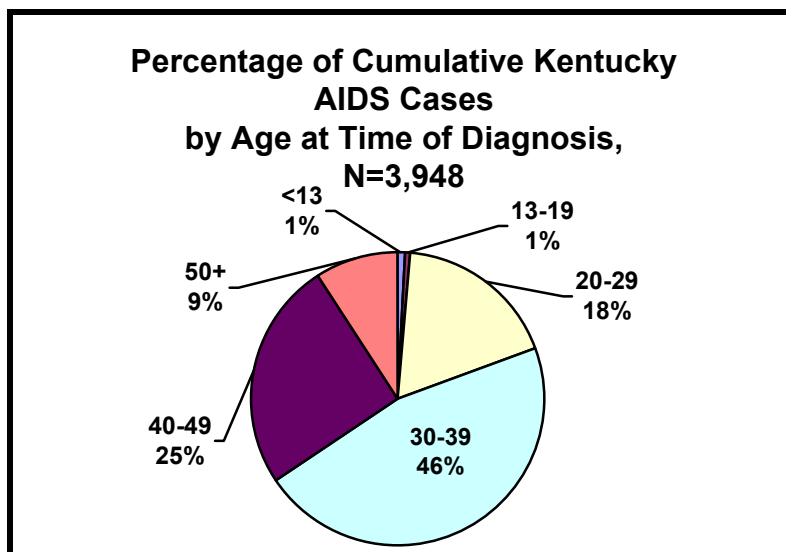
## RACE



\*Data are current as of 6/30/03 however data for 2002 are provisional due to reporting delays and are not presented in trend analysis.

The majority of Kentucky AIDS cases, 68%, are white. African Americans comprise 29% of AIDS cases reported. Hispanics comprise the majority of the "Other" category. African Americans are disproportionately affected by the AIDS epidemic in Kentucky. The AIDS rate for African Americans is approximately 7 times higher than for Whites/Others. Diagnosed AIDS cases among Whites increased approximately 17% from 115 cases diagnosed in 2000 to 134 cases diagnosed in 2001.

## AGE AT DIAGNOSIS

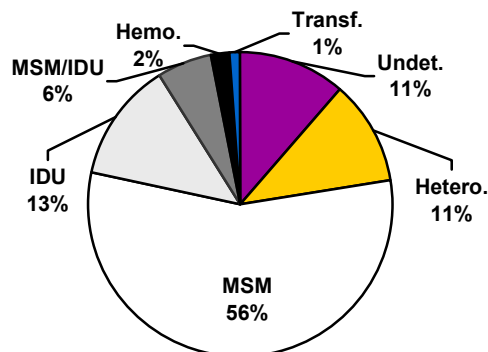


\*Data are current as of 6/30/03 however data for 2002 are provisional due to reporting delays and are not presented in trend analysis.

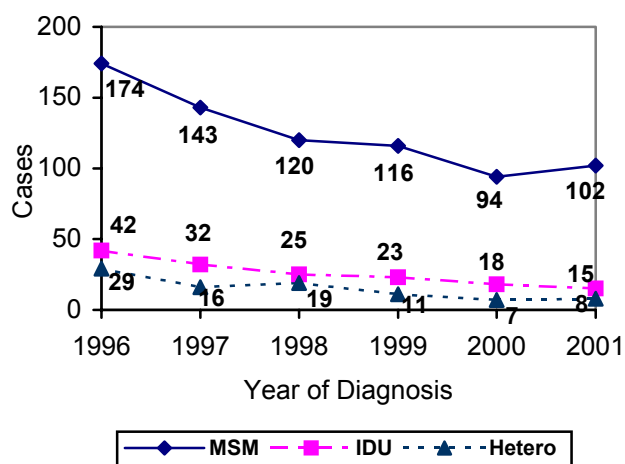
The largest percentage of Kentucky AIDS cases, 46%, are diagnosed in their thirties. The next highest percentage of AIDS cases is among adults in their forties at 25%, followed by adults in their twenties at 18%. An increase in the number of AIDS cases as well as the AIDS incidence rate among persons aged 40-49 at time of diagnosis was observed for the year 2001.

## MODE OF EXPOSURE/ RISK

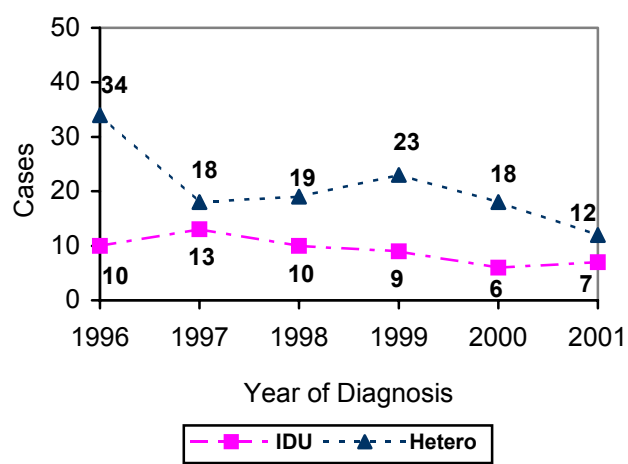
**Percentage of Cumulative Kentucky  
Adult/Adolescent AIDS Cases  
by Mode of Exposure,  
N=3,919**



**Kentucky Adult/Adolescent AIDS  
Cases by Mode of Exposure  
and Year of Diagnosis  
MALE - 6/30/03\***



**Kentucky Adult/Adolescent AIDS  
Cases by Mode of Exposure  
and Year of Diagnosis  
FEMALE - 6/30/03\***



\*Data are current as of 6/30/03 however data for 2002 are provisional due to reporting delays and are not presented in trend analysis.

Among Kentucky Adult/Adolescent AIDS cases, the majority report Men Having Sex with Men (MSM) to be their main mode of exposure at 56%. In the year 2001, among males, an increase in diagnosed AIDS cases with the risk factor of MSM was observed. In recent years, the number of AIDS cases with undetermined mode of exposure information has increased (see page 4). This increase makes comparison of cases by mode of exposure difficult, especially for the more recent years of 2000 and 2001.